

act, May 14 7/4/4

SECOND
GEOLOGICAL SURVEY
OF
PENNSYLVANIA.

ACT AND REGULATIONS.

PHILADELPHIA:
McCALLA & STAVELY, PRS., 237-9 DOCK ST.
1875.



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LAW OF PENNSYLVANIA,

SESSION OF 1874.

No. 98.

*AN ACT To provide for a geological survey
of the state.*

SECTION 1. *Be it enacted, &c.*, That the Ten Com-
governor, with the advice and consent of ^{missioners} to be ap-
the senate, shall, as soon as practicable after pointed.
the passage of this act, appoint ten suitable
commissioners from different sections of the
state, who, with the governor as chairman They and
ex-officio, shall constitute a board to prose- ^{the govern-}
cute the work contemplated in this act; the or to con-
persons so appointed shall hold office during stitute a
the continuance of the work, and any vacan- board.
cies in their number caused by death or ^{How vacan-}
resignation, shall be filled by the governor cies to be
with the consent of the senate. filled.

SECTION 2. The commissioners before en- To be sworn
tering on their duties, shall respectively take
and subscribe the oath required of other
state officers, which shall be filed in the office
of the secretary of the commonwealth, who
is hereby authorized and directed to ad-
minister said oath.

SECTION 3. The said board is hereby au- Authorized.
thorized to rent rooms in Harrisburg at a ^{to rent}
rooms.

moderate and usual rent, to use for the purposes of the survey created by this act, and shall therein also hold its regular meetings ;
 Meetings. such meetings shall be held at least once in every three months and as much oftener as required by the exigencies of its affairs, and the due furtherance of the survey ; the time for the regular meetings shall be fixed at the time of its organization.

Not to receive compensation. SECTION 4. The commissioners shall receive no compensation for services but their actual traveling and other necessary expenses, which shall be paid by the state treasurer on the certificate of the auditor-general ; and no commissioner or officer under this act shall derive pecuniary profit from the appropriation made by this act, other than is specified.

May make regulations and employ clerk. SECTION 5. The board shall be convened by the governor as soon as practicable, and it shall have power to make such regulations for the management of its business as it may deem expedient, and may, if necessary, employ a clerk.

To organize geological survey of state. SECTION 6. The board created by this act shall, on its organization, take charge of and conduct as it may deem to the best interests of the state, the business of organizing a thorough and extended geological survey of the state. The purpose of the said survey
 Purpose of survey. shall be to make such investigations as may be required to thoroughly elucidate the geology of the state and to put the result of this

and previous work of individuals or surveys into a convenient form for reference ; and further, to make such full chemical examination of ores, coals, oils, clays, soils, fertilizing and other useful minerals and waters as shall be required to afford the agricultural, mining, metallurgical and other interests of the state a clear insight into the character of its resources ; the said board shall also cause to be collected such specimens as may be necessary to form a complete cabinet collection of specimens of the geology and mineral resources of the state.

To collect specimens to form cabinet.

SECTION 7. To carry out the purposes of this act, the board is hereby authorized and required to appoint a state geologist of ability and experience, who shall control the execution of the details of the survey ; and the said geologist shall appoint such competent assistants as may be required to carry out the purposes of the survey, none of whom shall be members of the board ; all salaries shall be fixed by the board which is hereby required to make yearly agreements with the geologist and his assistants as to their salaries ; it shall also fix the rates at which the geologist may employ such temporary assistants as he may require ; the work of the survey shall be done on such plan as shall be approved by the board ; on the adoption of the plan, the geologist shall immediately and thereafter as often as may be required, make out estimates for all necessary imple-

State geologist and assistants to be appointed.

Salaries.

Work to be done on plan of board.

Geologist to make and submit estimates of expenses.

ments and materials for the work, and for all necessary expenses, and these estimates shall be submitted to and be subject to the approval of the board. The said state geolo-

To be under
control of
board.

gist, with his assistants, shall be under the control of the board, but after the approval of the plan submitted by the geologist his assistants shall be responsible to him for the proper execution of their work. The state geologist shall be present at the meetings of the board and take part in its discussions.

Be present
at meetings

Duties of
board.

SECTION 8. The said board shall collect copies of the surveys of this and other states and countries, and shall digest the information therein contained to the end that the survey created by this act may be made as thorough, practical and convenient as is possible. All works so collected shall be the property of the state. It shall further be the duty of the members of the board, in addition to those already specified, to furnish, from time to time, to the state geologist, any and all information which will contribute to the development of the facts relating to the mining, agricultural and other pursuits of the state.

Employees
may enter
upon lands.

SECTION 9. It shall be lawful for all persons employed by the geological survey created by this act to enter, without molestation, into and upon all lands and localities in this state which it may be necessary to examine for the purposes of this survey. The board shall avail itself, as fully as possible,

of the information, maps and surveys possessed by citizens and corporations in this state relating to the geology and topography of the state. All the facts, of whatever nature, obtained by the survey shall be considered public property, and any concealment or speculative use of the same is strictly prohibited. All publications of the board shall be copyrighted by it in the name of the state.

Facts obtained to be public.
Publications to be copyrighted.

SECTION 10. And it shall be the duty of the state geologist annually, before the fifteenth day of February in each year, to prepare a detailed report of the operations of the year, and the facts obtained by the survey; he shall submit the same to the board, which is hereby authorized to print and publish the said reports in a suitable and convenient form, adapted to modern requirements. Copies of the reports, with all maps and supplements, shall be donated to all public libraries, universities and colleges in the state, and shall be furnished at cost of publication to all other applicants for them.

Geologist to make report annually.
To be printed.
How copies thereof to be disposed of.

SECTION 11. To carry out the purposes of this act, the sum of thirty-five thousand dollars is hereby annually appropriated for three years. All expenditures made in carrying out this work shall be, after the approval of the board, certified by the same, upon proper vouchers, to the auditor-general, who shall draw his warrant upon the state treasurer for the amount: *Provided*, That no salaries

Appropriation.
Expenditures.

or other expenditures under this act shall commence until the officers herein named have entered upon the execution of their respective duties.

APPROVED—The 14th day of May, A. D. 1874.

J. F. HARTRANFT.

REGULATIONS

TO GOVERN THE

BUSINESS OF THE BOARD.

TITLE.

The official title of the Survey shall be the Title.
"Second Geological Survey of Pennsylvania."

MEETINGS OF THE BOARD.

The regular meetings shall be held in the rooms of the Geological Survey, at Harrisburg, at 12 o'clock, M., on the first Thursday of the months of February, May, August, and November in each year. Regular Meetings

Special meetings shall be called by the Secretary at the direction of the Chairman, or at the written request of any two members of the Board. Special Meetings.

A notice of the time and place of meetings shall be mailed by the Secretary to the post-office address of each member at least ten (10) days before the time fixed for any meeting, and in the case of a special meeting such notice shall distinctly state the nature of the business to be brought before the meeting. Notice of Meeting.

Business. No business other than that set forth in the notice shall be transacted at any special meeting, except by the assent of a majority of all the members of the Board.

Quorum. At all meetings a majority of the Board shall be required to be present in order to transact business, but any smaller number may adjourn over to another day.

Except when otherwise specified in the rules a majority of the members present shall decide all questions.

Yeas and nays. At the request of any two members the vote shall be taken by ayes and noes.

CHAIRMAN.

Powers. The Chairman, when present, shall preside at all meetings of the Board, and he shall have the authority and powers usually possessed by the presiding officers of deliberative bodies. In his absence a temporary Chairman may be chosen by the Board.

Duties. The Chairman shall, when authorized by the Board, execute agreements and other instruments of writing, approve vouchers, draw requisitions, &c., &c.

SECRETARY.

Duties of Secretary. The Secretary shall keep the minutes of the meetings, and shall conduct the business correspondence of the Board. He shall have charge of the accounts of the Board.

He shall attest the signature of the Chairman to agreements and other instruments of writing, vouchers, requisitions, &c., &c.

TREASURER.

The Treasurer shall be a member of the Bonds. Board, and shall give bonds in the amount of five thousand (5,000) dollars.

The Treasurer shall be authorized to pay all Drafts and bills, how payable. drafts drawn by the State Geologist on quarterly estimates, and also all bills approved by a majority of a Standing Committee in carrying out work on estimates submitted by such Committee.

COMMITTEES.

There shall be appointed, by the Chair- Names. man, Standing Committees on *Accounts and Finance*, on *Library and Museum*, and on *Publication*, who shall make reports to the Reports. Board at every regular meeting, and oftener when required.

The Committee on Accounts and Finance Accounts & Finance. shall consist of three members, and shall Duties. have general supervision of the finances of the Survey, and shall audit the accounts of the expenditures of the Board.

The Committee on Library and Museum Library & Museum. shall consist of three members, and shall Duties. have supervision of the collection of copies of Surveys and Reports of this and other States and countries, and shall have supervision of the collection and arrangement of the cabinet of specimens—all when not in use by the State Geologist or his assistants. The rooms of the Survey shall also be under their charge.

Publication Duties. The Committee on Publication shall consist of three members, and shall have charge of the Publication of the Maps and Reports of the Survey.

Estimates of a Standing Committee. Estimates for expenses for current quarter may be submitted by a Standing Committee at any meeting of the Board, and, if the estimates are approved by the Board, the sum so appropriated shall be drawn in the usual way and placed to the credit of the Treasurer of the Board.

***Ex-officio* members.** The Chairman and the Secretary shall be *ex-officio* members of each committee.

STATE GEOLOGIST.

Quarterly Estimates. The State Geologist shall, at each quarterly meeting, submit estimates of the expense of the Survey for the coming quarter. The total sum so estimated shall, when approved by the Board, be drawn out of the State Treasury, by a requisition on the Auditor-General, and shall be placed to the credit of the Treasurer.

At committee meetings. The State Geologist is requested to be present, when desired, at the meetings of the committees.

AMENDMENTS.

Amendments, how and what meetings. Amendments to these Regulations may be made at any regular meeting, or at a special meeting called for the purpose, after due notice, but in order to adopt any amendment it shall require the assent of a majority of the whole Board.

PERSONNEL OF COMMITTEES.

Accounts and Finance.

DANIEL J. MORRELL,
Johnstown, Cambria Co.
HENRY W. OLIVER, JR., Pittsburgh.
SAMUEL Q. BROWN,
Pleasantville, Venango Co.

Library and Museum.

HENRY McCORMICK, Harrisburg.
ROBERT B. WILSON, M.D.,
Clearfield, Clearfield Co.
HENRY S. ECKERT, Reading.

Publication.

WILLIAM A. INGHAM,
320 Walnut St., Philadelphia.
JAMES MACFARLANE,
135 Power's Commercial Building,
Rochester, N. Y.
ARIO PARDEE, Hazleton, Luzerne Co.

Chairman.

His Excellency, GOV. JOHN F. HARTRANFT,
Ex Officio.

Treasurer.

HENRY McCORMICK, Harrisburg.

Secretary.

JOHN B. PEARSE,
1439 Walnut St., Philadelphia.

